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OM protein - protein search, using sw model

Run on: August 28, 2003, 18:34:33 ; Search time 21.2121 Seconds  
(without alignments)  
90.276 Million cell updates/sec

Title: US-09-743-225-9

Perfect score: 73

Sequence: 1 KDKATFGTHGGXA 14

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 510680 seqs, 136781880 residues

Total number of hits satisfying chosen parameters: 510680

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	56	76.7	345	11	US-09-992-600A-106
2	56	76.7	345	11	Sequence 106, App
3	56	76.7	345	12	Sequence 106, App
4	56	76.7	345	15	US-09-992-095B-106
5	56	76.7	345	15	Sequence 106, App
6	39	53.4	258	11	US-10-000-986-106
7	39	53.4	258	11	Sequence 106, App
8	39	53.4	258	11	US-09-992-600A-30
9	39	53.4	258	12	Sequence 30, Appl
10	39	53.4	258	15	US-09-992-095B-30
11	38	52.1	289	12	Sequence 30, Appl
12	38	52.1	309	12	US-10-000-986-30
13	38	52.1	309	12	Sequence 30, Appl
14	38	52.1	309	12	US-10-214-473-14
15	38	52.1	480	11	US-10-272-490-14
16	38	52.1	576	10	US-09-893-519A-38
17	38	52.1	576	10	US-09-364-847-37

16	38	52.1	712	10	US-09-364-847-49	Sequence 49, Appl
17	38	52.1	712	10	US-09-364-847-51	Sequence 51, Appl
18	38	52.1	794	15	US-10-128-714-3437	Sequence 3437, Ap
19	38	52.1	794	15	US-10-128-714-8437	Sequence 8437, Ap
20	37	50.7	188	9	US-09-828-644-106	Sequence 106, App
21	36	49.3	380	15	US-10-156-761-9052	Sequence 9052, Ap
22	36	49.3	388	12	US-10-166-225A-79	Sequence 79, Appl
23	36	49.3	432	15	US-10-156-761-9597	Sequence 9597, Ap
24	36	49.3	608	10	US-09-738-626-3609	Sequence 3609, Ap
25	35	48.6	405	12	US-10-238-075-1553	Sequence 1553, Ap
26	35	47.9	101	11	US-09-746-783-109	Sequence 109, App
27	35	47.9	277	12	US-10-272-490-82	Sequence 82, Appl
28	35	47.9	298	12	US-10-214-473-8	Sequence 8, Appl
29	35	47.9	298	12	US-10-272-490-8	Sequence 8, Appl
30	35	47.9	298	12	US-10-272-490-91	Sequence 91, Appl
31	35	47.9	320	12	US-10-214-473-76	Sequence 76, Appl
32	35	47.9	320	12	US-10-272-490-76	Sequence 76, Appl
33	35	47.9	1381	15	US-10-226-315-4	Sequence 4, Appl
34	35	47.9	2209	10	US-09-902-941-1903	Sequence 1903, Ap
35	35	47.9	2209	10	US-09-849-626-1903	Sequence 1903, Ap
36	35	47.9	2209	15	US-10-017-754-1903	Sequence 1903, Ap
37	34	46.6	69	11	US-09-764-891-4415	Sequence 4415, Ap
38	34	46.6	293	15	US-10-156-761-11380	Sequence 11380, A
39	34	46.6	309	15	US-10-156-761-9195	Sequence 9195, Ap
40	34	46.6	323	12	US-10-336-597-4	Sequence 4, Appl
41	34	46.6	331	12	US-10-214-473-50	Sequence 50, Appl
42	34	46.6	331	12	US-10-272-490-50	Sequence 50, Appl
43	34	46.6	349	11	US-09-746-660A-80	Sequence 80, Appl
44	34	46.6	382	10	US-09-919-831-3	Sequence 3, Appl
45	34	46.6	382	10	US-09-738-626-6561	Sequence 6561, Ap

#### ALIGNMENTS

RESULT 1  
US-09-992-600A-106  
; Sequence 106, Application US/09992600A  
; Publication No. US20030027161A1  
; GENERAL INFORMATION:  
; APPLICANT: Benjamin, Stephanie  
; APPLICANT: Tanaka, Hiroaki  
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
; FILE REFERENCE: 91. US4. DIV  
; CURRENT APPLICATION NUMBER: US/09/992,600A  
; CURRENT FILING DATE: 2001-11-13  
; PRIOR APPLICATION NUMBER: US 09/924,340  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: PCT/IB01/01715  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: US 60/305,456  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/302,277  
; PRIOR FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: US 60/298,698  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: US 60/293,574  
; PRIOR FILING DATE: 2001-05-25  
; NUMBER OF SEQ ID NOS: 114  
; SOFTWARE: JPatent  
; SEQ ID NO 106  
; LENGTH: 345  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: 1..19  
US-09-992-600A-106

Query Match 76.7%; Score 56; DB 11; Length 345;  
Best Local Similarity 90.9%; Pred. No. 0.041;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 11  
||||||| III  
Db 227 KDKATFGCHDG 237

## RESULT 2

US-09-924-340-106  
; Sequence 106, Application US/09924340  
; Publication No. US20030027248A1  
; GENERAL INFORMATION:  
; APPLICANT: Benjanin, Stephane  
; APPLICANT: Tanaka, Hiroaki  
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
; FILE REFERENCE: 91.US2.REG  
; CURRENT APPLICATION NUMBER: US/09/924,340  
; CURRENT FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: US 60/305,456  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/302,277  
; PRIOR FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: US 60/298,698  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: US 60/293,574  
; PRIOR FILING DATE: 2001-05-25  
; NUMBER OF SEQ ID NOS: 112  
; SOFTWARE: Jpatent  
; SEQ ID NO 106  
; LENGTH: 345  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: 1..19  
US-09-924-340-106

Query Match 76.7%; Score 56; DB 11; Length 345;  
Best Local Similarity 90.9%; Pred. No. 0.041;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 11  
||||||| III  
Db 227 KDKATFGCHDG 237

## RESULT 3

US-09-992-095B-106  
; Sequence 106, Application US/09992095B  
; Publication No. US20030157485A1  
; GENERAL INFORMATION:  
; APPLICANT: Benjanin, Stephane  
; APPLICANT: Tanaka, Hiroaki  
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
; FILE REFERENCE: 91.US5.DIV  
; CURRENT APPLICATION NUMBER: US/09/992,095B  
; CURRENT FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: US 09/924,340  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: PCT/IB01/01715  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: US 60/305,456  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/302,277  
; PRIOR FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: US 60/298,698  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: US 60/293,574  
; PRIOR FILING DATE: 2001-05-25  
; NUMBER OF SEQ ID NOS: 112  
; SOFTWARE: Jpatent  
; SEQ ID NO 106  
; LENGTH: 345  
; TYPE: PRT  
; ORGANISM: Homo sapiens

; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: 1..19  
US-09-992-095B-106

Query Match 76.7%; Score 56; DB 12; Length 345;  
Best Local Similarity 90.9%; Pred. No. 0.041;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 11  
||||||| III  
Db 227 KDKATFGCHDG 237

## RESULT 4

US-10-000-489-106  
; Sequence 106, Application US/10000489  
; Publication No. US20030092011A1  
; GENERAL INFORMATION:  
; APPLICANT: Benjanin, Stephane  
; APPLICANT: Tanaka, Hiroaki  
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
; FILE REFERENCE: 91.US6.DIV  
; CURRENT APPLICATION NUMBER: US/10/000,489  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: US 09/924,340  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: PCT/IB01/01715  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: US 60/305,456  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/302,277  
; PRIOR FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: US 60/298,698  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: US 60/293,574  
; PRIOR FILING DATE: 2001-05-25  
; NUMBER OF SEQ ID NOS: 112  
; SOFTWARE: Jpatent  
; SEQ ID NO 106  
; LENGTH: 345  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: 1..19  
US-10-000-489-106

Query Match 76.7%; Score 56; DB 15; Length 345;  
Best Local Similarity 90.9%; Pred. No. 0.041;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 11  
||||||| III  
Db 227 KDKATFGCHDG 237

## RESULT 5

US-10-000-986-106  
; Sequence 106, Application US/10000986  
; Publication No. US20030096247A1  
; GENERAL INFORMATION:  
; APPLICANT: Benjanin, Stephane  
; APPLICANT: Tanaka, Hiroaki  
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
; FILE REFERENCE: 91.US9.DIV  
; CURRENT APPLICATION NUMBER: US/10/000,986  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: US 09/924,340  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: PCT/IB01/01715  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: US 60/305,456

; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/302,277  
; PRIOR FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: US 60/298,698  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: US 60/293,574  
; PRIOR FILING DATE: 2001-05-25  
; NUMBER OF SEQ ID NOS: 112  
; SOFTWARE: JPatent  
; SEQ ID NO 106  
; LENGTH: 345  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: 1..19  
US-10-000-986-106

Query Match 76.7%; Score 56; DB 15; Length 345;  
Best Local Similarity 90.9%; Pred. No. 0.041;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 11  
| | | | | | | | | |  
DB 227 KDKATFGCHDG 237

## RESULT 6

US-09-992-600A-30  
; Sequence 30, Application US/09992600A  
; Publication No. US20030027161A1  
; GENERAL INFORMATION:  
; APPLICANT: Benjanin, Stephane  
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
; FILE REFERENCE: 91 US4 DIV  
; CURRENT APPLICATION NUMBER: US/09/992,600A  
; CURRENT FILING DATE: 2001-11-13  
; PRIOR APPLICATION NUMBER: US 09/924,340  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: PCT/IB01/01715  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: US 60/305,456  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/302,277  
; PRIOR FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: US 60/298,698  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: US 60/293,574  
; PRIOR FILING DATE: 2001-03-25  
; NUMBER OF SEQ ID NOS: 114  
; SOFTWARE: JPatent  
; SEQ ID NO 30  
; LENGTH: 258  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: 1..20  
US-09-992-600A-30

Query Match 53.4%; Score 39; DB 11; Length 258;  
Best Local Similarity 58.3%; Pred. No. 33;  
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 12  
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DB 91 KEKATGSHSGG 102

## RESULT 7

US-09-924-340-30  
; Sequence 30, Application US/09924340

; Publication No. US20030027248A1  
; GENERAL INFORMATION:  
; APPLICANT: Benjanin, Stephane  
; APPLICANT: Tanaka, Hiroaki  
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
; FILE REFERENCE: 91 US2 REG  
; CURRENT APPLICATION NUMBER: US/09/924,340  
; CURRENT FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: US 60/305,456  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/302,277  
; PRIOR FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: US 60/298,698  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: US 60/293,574  
; PRIOR FILING DATE: 2001-05-25  
; NUMBER OF SEQ ID NOS: 112  
; SOFTWARE: JPatent  
; SEQ ID NO 30  
; LENGTH: 258  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: 1..20  
; NAME/KEY: UNSURE  
; LOCATION: 49  
; OTHER INFORMATION: xaa = Glu, \*  
US-09-924-340-30

Query Match 53.4%; Score 39; DB 11; Length 258;  
Best Local Similarity 58.3%; Pred. No. 33;  
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 KDKATFGTHDG 12  
| : | | | : | | |  
DB 91 KEKATGSHSGG 102

## RESULT 8

US-09-992-095B-30  
; Sequence 30, Application US/09992095B  
; Publication No. US20030157485A1  
; GENERAL INFORMATION:  
; APPLICANT: Benjanin, Stephane  
; APPLICANT: Tanaka, Hiroaki  
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
; FILE REFERENCE: 91 US5 DIV  
; CURRENT APPLICATION NUMBER: US/09/992,095B  
; CURRENT FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: US 09/924,340  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: PCT/IB01/01715  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: US 60/305,456  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/302,277  
; PRIOR FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: US 60/298,698  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: US 60/293,574  
; PRIOR FILING DATE: 2001-05-25  
; NUMBER OF SEQ ID NOS: 112  
; SOFTWARE: JPatent  
; SEQ ID NO 30  
; LENGTH: 258  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: 1..20  
; NAME/KEY: MISC\_FEATURE

; LOCATION: 29  
; OTHER INFORMATION: Xaa = Glu, \*  
US-09-992-0958-30

Query Match 53.4%; Score 39; DB 12; Length 258;  
Best Local Similarity 58.3%; Pred. No. 33;  
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 KDKATFGTHDGG 12  
|:| | | | |  
Db 91 KEKAHSGSHSGG 102

## RESULT 9

US-10-000-489-30  
; Sequence 30, Application US/10000489  
; Publication No. US20030092011A1  
; GENERAL INFORMATION:  
; APPLICANT: Benjamin, Stephane  
; APPLICANT: Tanaka, Hiroaki  
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
; FILE REFERENCE: 91.056.DIV  
; CURRENT APPLICATION NUMBER: US/10/000,489  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: US 09/924,340  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: PCT/IB01/01715  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: US 60/305,456  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/302,277  
; PRIOR FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: US 60/298,698  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: US 60/293,574  
; PRIOR FILING DATE: 2001-05-25  
; NUMBER OF SEQ ID NOS: 112  
; SOFTWARE: JPatent  
; SEQ ID NO 30  
; LENGTH: 258  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: 1..20  
; NAME/KEY: UNSURE  
; LOCATION: 49  
; OTHER INFORMATION: Xaa = Glu, \*  
US-10-000-489-30

Query Match 53.4%; Score 39; DB 15; Length 258;  
Best Local Similarity 58.3%; Pred. No. 33;  
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 KDKATFGTHDGG 12  
|:| | | | |  
Db 91 KEKAHSGSHSGG 102

## RESULT 10

US-10-000-986-30  
; Sequence 30, Application US/10000986  
; Publication No. US20030096247A1  
; GENERAL INFORMATION:  
; APPLICANT: Benjamin, Stephane  
; APPLICANT: Tanaka, Hiroaki  
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
; FILE REFERENCE: 91.059.DIV  
; CURRENT APPLICATION NUMBER: US/10/000,986  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: US 09/924,340  
; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: PCT/IB01/01715

; PRIOR FILING DATE: 2001-08-06  
; PRIOR APPLICATION NUMBER: US 60/305,456  
; PRIOR FILING DATE: 2001-07-13  
; PRIOR APPLICATION NUMBER: US 60/302,277  
; PRIOR FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: US 60/298,698  
; PRIOR FILING DATE: 2001-06-15  
; PRIOR APPLICATION NUMBER: US 60/293,574  
; PRIOR FILING DATE: 2001-05-25  
; NUMBER OF SEQ ID NOS: 112  
; SOFTWARE: JPatent  
; SEQ ID NO 30  
; LENGTH: 258  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: 1..20  
; NAME/KEY: UNSURE  
; LOCATION: 49  
; OTHER INFORMATION: Xaa = Glu, \*  
US-10-000-986-30

Query Match 53.4%; Score 39; DB 15; Length 258;  
Best Local Similarity 58.3%; Pred. No. 33;  
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 KDKATFGTHDGG 12  
|:| | | | |  
Db 91 KEKAHSGSHSGG 102

## RESULT 11

US-10-272-490-83  
; Sequence 83, Application US/10272490  
; Publication No. US20030148490A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhao, Lishan  
; APPLICANT: Mathur, Eric J.  
; APPLICANT: Weiner, David  
; APPLICANT: Richardson, Toby  
; APPLICANT: Milan, Aileen  
; APPLICANT: Burk, Mark J.  
; APPLICANT: Han, Bin  
; APPLICANT: Short, Jay M.  
; TITLE OF INVENTION: EXPOXIDE HYDROLASES, NUCLEIC ACIDS ENCODING THEM AND METHODS  
; FILE REFERENCE: 09010-831001  
; CURRENT APPLICATION NUMBER: US/10/272,490  
; CURRENT FILING DATE: 2002-10-10  
; PRIOR APPLICATION NUMBER: US 10/214,473  
; PRIOR FILING DATE: 2002-08-05  
; PRIOR APPLICATION NUMBER: US 60/309,478  
; PRIOR FILING DATE: 2001-08-03  
; PRIOR APPLICATION NUMBER: US 60/393,378  
; PRIOR FILING DATE: 2002-07-03  
; NUMBER OF SEQ ID NOS: 94  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 83  
; LENGTH: 289  
; TYPE: PRT  
; ORGANISM: Unknown  
; FEATURE:  
; OTHER INFORMATION: Obtained from an environmental source  
US-10-272-490-83

Query Match 52.1%; Score 38; DB 12; Length 289;  
Best Local Similarity 66.7%; Pred. No. 56;  
Matches 8; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 KDKATFGTHDGG 12  
| | | | |  
Db 96 KDKATIVGHDWG 107

RESULT 12  
US-10-214-473-14  
; Sequence 14, Application US/10214473  
; Publication No. US20030148449A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhao, Lishan  
; APPLICANT: Mathur, Eric J.  
; APPLICANT: Weiner, David  
; APPLICANT: Richardson, Toby  
; APPLICANT: Milan, Aileen  
; APPLICANT: Burk, Mark J.  
; APPLICANT: Han, Bin  
; APPLICANT: Short, Jay M.  
; TITLE OF INVENTION: EPOXIDE HYDROLASES, NUCLEIC ACIDS ENCODING  
; TITLE OF INVENTION: THEM AND METHODS OF MAKING AND USING THEM  
; FILE REFERENCE: 09010-600001  
; CURRENT APPLICATION NUMBER: US/10/214,473  
; CURRENT FILING DATE: 2002-08-05  
; PRIOR APPLICATION NUMBER: US 60/309,478  
; PRIOR FILING DATE: 2001-08-03  
; PRIOR APPLICATION NUMBER: US 60/393,378  
; PRIOR FILING DATE: 2002-07-03  
; NUMBER OF SEQ ID NOS: 83  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 14  
; LENGTH: 309  
; TYPE: PRT  
; ORGANISM: Unknown  
; FEATURE:  
; OTHER INFORMATION: Obtained from an environmental source  
; NAME/KEY: SIGNAL  
; LOCATION: (1)...(20)  
US-10-214-473-14

Query Match 52.1%; Score 38; DB 12; Length 309;  
Best Local Similarity 66.7%; Pred. No. 60;  
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DB 116 KDKATIVGHDWG 127

RESULT 13  
US-10-272-490-14  
; Sequence 14, Application US/10272490  
; Publication No. US20030148490A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhao, Lishan  
; APPLICANT: Mathur, Eric J.  
; APPLICANT: Weiner, David  
; APPLICANT: Richardson, Toby  
; APPLICANT: Milan, Aileen  
; APPLICANT: Burk, Mark J.  
; APPLICANT: Han, Bin  
; APPLICANT: Short, Jay M.  
; TITLE OF INVENTION: EPOXIDE HYDROLASES, NUCLEIC ACIDS ENCODING THEM AND METHODS  
; TITLE OF INVENTION: OF MAKING AND USING THEM  
; FILE REFERENCE: 09010-831001  
; CURRENT APPLICATION NUMBER: US/10/272,490  
; CURRENT FILING DATE: 2002-10-10  
; PRIOR APPLICATION NUMBER: US 10/214,473  
; PRIOR FILING DATE: 2002-08-05  
; PRIOR APPLICATION NUMBER: US 60/309,478  
; PRIOR FILING DATE: 2001-08-03  
; PRIOR APPLICATION NUMBER: US 60/393,378  
; PRIOR FILING DATE: 2002-07-03  
; NUMBER OF SEQ ID NOS: 94  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 14

; LENGTH: 309  
; TYPE: PRT  
; ORGANISM: Unknown  
; FEATURE:  
; OTHER INFORMATION: Obtained from an environmental source  
; NAME/KEY: SIGNAL  
; LOCATION: (1)...(20)  
US-10-272-490-14

Query Match 52.1%; Score 38; DB 12; Length 309;  
Best Local Similarity 66.7%; Pred. No. 60;  
Matches 8; Conservative 0; Mismatches 4; Indels 0; Gaps 0;  
QY 1 KDKATFGTHDGG 12  
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DB 116 KDKATIVGHDWG 127

RESULT 14  
US-09-893-519A-38  
; Sequence 38, Application US/09893519A  
; Publication No. US20030027243A1  
; GENERAL INFORMATION:  
; APPLICANT: ANADYS PHARMACEUTICALS, INC.  
; APPLICANT: THOMPSON, Craig  
; APPLICANT: MOORE, Jeffrey  
; APPLICANT: BURMAN, Ed T.  
; APPLICANT: BRADLEY, John  
; APPLICANT: DESILVA, Thamara  
; APPLICANT: HARRIS, Sandra  
; APPLICANT: KOMARNITSKY, Svetlana  
; APPLICANT: MENDILLO, Marc  
; APPLICANT: MOORE, Daniel  
; APPLICANT: MCCOY, Melissa  
; APPLICANT: SANDERSON, Karen  
; APPLICANT: HAO, Tariq  
; APPLICANT: ZHU, Shuhao  
; APPLICANT: LONG, Fan  
; APPLICANT: DAVIDOV, Eugene  
; TITLE OF INVENTION: ANTIFUNGAL COMPOUNDS AND METHODS OF USE  
; FILE REFERENCE: 0342/1G548-US2  
; CURRENT APPLICATION NUMBER: US/09/893,519A  
; CURRENT FILING DATE: 2001-06-28  
; PRIOR APPLICATION NUMBER: US 60/215,164  
; PRIOR FILING DATE: 2000-06-29  
; PRIOR APPLICATION NUMBER: US 60/224,457  
; PRIOR FILING DATE: 2000-08-10  
; NUMBER OF SEQ ID NOS: 146  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 38  
; LENGTH: 480  
; TYPE: PRT  
; ORGANISM: Candida albicans  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Corresponds to SEQ ID NO: 111  
US-09-893-519A-38

Query Match 52.1%; Score 38; DB 11; Length 480;  
Best Local Similarity 58.3%; Pred. No. 96;  
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QY 1 KDKATFGTHDGG 12  
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DB 50 KDNIGFQHDGG 61

RESULT 15  
US-09-364-847-37  
; Sequence 37, Application US/09364847  
; Patent No. US20020173019A1  
; GENERAL INFORMATION:

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; APPLICANT: Peoples, Oliver P
; APPLICANT: Madison, Lara L
; APPLICANT: Huisman, Gjal W
; TITLE OF INVENTION: Enzymes for Biopolymer Production
; FILE REFERENCE: MBX 030
; CURRENT APPLICATION NUMBER: US/09/364,847
; CURRENT FILING DATE: 1999-07-30
; EARLIER APPLICATION NUMBER: 60/094,674
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 37
; LENGTH: 576
; TYPE: PRT
; ORGANISM: Zoogloea ramigera
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(576)
; OTHER INFORMATION: synthase
US-09-364-847-37

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Query Match      52.1%; Score 38; DB 10; Length 576;
Best Local Similarity 50.0%; Pred. NO. 1.2e+02;
Matches 7; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

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QY      1 KDKATFGTHDGGXA 14
Db      505 KNRRTYINDGGAA 518

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Search completed: August 28, 2003, 18:42:03
Job time : 21.2121 secs

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